RAW SEQUENCE LISTING PATENT APPLICATION US/08/973,303

DATE: 05/15/98 TIME: 13:13:42

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This Raw Listing contains the General Information Section and up to the first 5 pages.

1 2	SEQUENCE LISTING ENTERED
3	(1) General Information:
4 5 6	(i) APPLICANT: Peter DORMER
7 8 9	(ii) TITLE OF INVENTION: PROTEIN WITH DIFFERENTIATION-INDUCING ACTIVITY FOR FRIEND'S ERYTHROLEUKEMIA CELL LINES
10 11	(iii) NUMBER OF SEQUENCES: 10
12 13 14 15 16 17 18	<pre>(iv) CORRESPONDENCE ADDRESS: (A) ADDRESSEE: LOWE, PRICE, LEBLANC & BECKER (B) STREET: 99 Canal Center Plaza, Suite 300 (C) CITY: Alexandria (D) STATE: VA (E) COUNTRY: USA (F) ZIP: 22314</pre>
20 21 22 23 24 25	 (v) COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26 27 28 29 30	(vi) CURRENT APPLICATION DATA:(A) APPLICATION NUMBER:(B) FILING DATE:(C) CLASSIFICATION:
31 32 33 34 35	<pre>(viii) ATTORNEY/AGENT INFORMATION: (A) NAME: Presta, Frank P. (B) REGISTRATION NUMBER: 19,828 (C) REFERENCE/DOCKET NUMBER: 3428-005</pre>
36 37 38 39 40 41	(ix) TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (703) 684-1111 (B) TELEFAX: (703) 684-1124
42	(2) INFORMATION FOR SEQ ID NO: 1:
44 45 46	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 1495 base pairs(B) TYPE: nucleic acid

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47		(C) STRANDEDNESS: single
48		(D) TOPOLOGY: linear
49		
50	(ii)	MOLECULE TYPE: cDNA to mRNA
51		
52	(iii)	HYPOTHETICAL: YES
53		
54	(iv)	ANTI-SENSE: NO
55		
56	(vi)	ORIGINAL SOURCE:
57		(A) ORGANISM: Mus musculus

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

' '	_		·-			
CCGACCGTGC	GGACTTAAGA	TGGAGGCACT	TCCTGTCTGC	GGCGGGAAGA	GAAGGCTCGG	60
TCGGAGCCGG	GAATGCTGGG	ACTTGTAGTG	CGTAGTCAAT	GGTTCTCTAT	GGGCTTTCAG	120
AGTGAGTGGC	GGGAAGGCGG	CCCCGAGGCA	TGCTGGGAGT	TGTAGTCCTG	CCGTCGTCAA	180
TGGTTCTCTA	TGGGCTTTCA	GAGTGAGTGG	CGGGAAGGCG	GCCCGAGGC	ATGCTGGGAG	240
TTGTAGTCCT	GCCATAGTCA	ATGGTTCTCT	ATGGGCTTTC	AGACTGAGTG	GCGGGAAGGC	300
GGCCCCGAGG	CATGCTGGGA	GTTGCAGCGC	CATGTTTTAA	AGCACGCGTT	TCTCTGTATA	360
GACCTGGCTG	TGGATTTTTC	GCTAATTCTT	TTTTTTAGCT	TTATTTTTAA	TTTTTACTTT	420
TTCACACAGG	ATTTCTCTTT	ATAGCCTTGG	CTACCGTTTT	TTCCCTAATT	ATTCTCCTTT	480
TCATTTTGGT	TTATTTTTTT	TTAATTTTGG	TTTTTTTAAG	ACAGGGTTTC	TCTGTATAGA	540
CCTGGCTGTG	GATTTCTCAC	TAATTATTTT	TTTTAGCTTT	ATTTTTAATT	TTTACTTTTT	600
CACACAGGAT	TTCTCTTTAT	AGCCTTGGCT	ACCGTTTTTT	CCGTAATTAT	TCTTATTTTC	660
ATTTTGGTTT	ATTTTTTAAT	TTTAATTTTT	GATTTTGGAG	ACAGGGTTTC	TCTTTTAGCC	720
GCAGCTATGG	TTTCTGCCCT	AATTATTCTT	GTCCTTATTT	GTAATTTAAT	TCTTAATTTA	780
ATTTAATTTA	TAATTTTGTT	GTAAGTTTTT	CTGTGGGCGT	GAATGGAAAG	TCTAACCCGT	840
GTTTCTCTGT	TCAGCGTCCG	CCGGTCACGG	ccccccccc	CAGCGACGTC	ACCCACACGC	900
GCAGAAGCGG	ACGCCGCGGT	CAAGATGTCT	CTGCCATGCC	CACGGGACGC	ACGGACGCAC	960
GGACGGACGG	ACGGACTCCA	CAAGGTAGGA	AGCCTGCGCC	GACCGCACCG	CCGCACCCAC	1020
CACAGCACAC	AGGACACACG	CGGGCCCCGC	GCCCGCCCAG	GCACACGCGG	CACACACGGC	1080
ACACACGGCA	GGCAGGCCAG	GCACACGCAT	CCGCAGGACC	CGCCGCACCC	GCCACGCAGA	1140

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100															
101	CACGGACGAG CCGCCGCGGT CAAGATGTTC ACCCGCCGCG GTCAAGATGT ATGTGCCACC	1200													
102															
103	GACCCTCGCC CCGCTGGACG GACGGACGGA CGCACGCACG CCGTCAGCGT CCACCGGTCA	1260													
104															
105	CTGCCGCCGC CCACAGTGAT GTCACCCACG AAAGCACAA CGTAGAAGCG GACGCCGTGG	1320													
106		1380													
107	TCAAGATGTC TCTGCCATCC CCACAGGACG GACGGACGGA CTCCACAAGG TGCGCGTGTC														
108		1440													
109	GCCGAGGCCG CCAGGACGGA GCGATTCTCA CGGAGGAAGG AGCACGCCAA CAGGGCCTGA	1440													
110	CTGCGTACAG ACATGTCCCC CTCAATAAAA TTGCAGTTGA AATGGAAAAA AAAAA														
111	CTGCGTACAG ACATGTCCCC CTCAATAAAA TTGCAGTTGA AATGGAAAAA AAAAA														
112 113	(2) INFORMATION FOR SEC ID NO. 2.														
113	(2) INFORMATION FOR SEQ ID NO: 2:														
114															
116	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 715 base pairs														
117	(B) TYPE: nucleic acid														
118	(C) STRANDEDNESS: single														
119	(D) TOPOLOGY: linear														
120	(2)														
121	(ii) MOLECULE TYPE: cDNA to mRNA														
122															
123	(iii) HYPOTHETICAL: YES														
124															
125															
126	(ix) FEATURE:														
127															
128	(B) LOCATION:155688														
128 129															
128 129 130	(B) LOCATION:155688														
128 129 130 131															
128 129 130 131 132	(B) LOCATION: 155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	60													
128 129 130 131 132 133	(B) LOCATION:155688	60													
128 129 130 131 132 133	(B) LOCATION:155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCG GGCCCCCGCT														
128 129 130 131 132 133 134 135	(B) LOCATION: 155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	60													
128 129 130 131 132 133 134 135 136	(B) LOCATION:155688 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCC GCCCCCCGC GGCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCC AGCGACGTCA CCCACACGCG														
128 129 130 131 132 133 134 135 136	(B) LOCATION:155688 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCCG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG	120													
128 129 130 131 132 133 134 135 136 137	(B) LOCATION:155688 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCC GCCCCCCGC GGCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCC AGCGACGTCA CCCACACGCG	120													
128 129 130 131 132 133 134 135 136	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCGG GGCCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr	120													
128 129 130 131 132 133 134 135 136 137 138	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCGG GGCCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr	120													
128 129 130 131 132 133 134 135 136 137 138 139 140	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCG GGCCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5	120 172													
128 129 130 131 132 133 134 135 136 137 138 139 140	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCCG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG	120 172													
128 129 130 131 132 133 134 135 136 137 138 139 140 141	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCC GCCCCCCGG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG Asp Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20	120 172 220													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCC GCCCCCCGG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG Asp Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CGG CCG CAC CCA CCA CAG CAC ACA GGA CAC ACG CGG GCC CCG	120 172													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	(B) LOCATION:155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCGCC GCCCCCGGG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG ASP Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CCG CCG CAC CCA CCA CAG CAC ACA GGA CAC ACG CGG GCC CCG Thr Ala Pro Pro His Pro Pro Gln His Thr Gly His Thr Arg Ala Pro	120 172 220													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCC GCCCCCCGG GGCCCCGCCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG Asp Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CGG CCG CAC CCA CCA CAG CAC ACA GGA CAC ACG CGG GCC CCG	120 172 220													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	(B) LOCATION:155688 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCCCCCCCGG GGCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG Asp Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CCG CCG CAC CCA CCA CAC CAC GGA CAC ACG CGG GCC CCG Thr Ala Pro Pro His Pro Pro Gln His Thr Gly His Thr Arg Ala Pro 25 30 35	120 172 220 268													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	(B) LOCATION:155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCC GCCCCCCGG GGCCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG ASP Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CCG CCG CAC CCA CCA CAC CAC ACA GGA CAC ACG CGG GCC CCG Thr Ala Pro Pro His Pro Pro Gln His Thr Gly His Thr Arg Ala Pro 25 30 35 CGC CCG CCC CCC AGG CAC ACG CGC CAC ACA CGG CAC ACA CGG CAC GCA GGC	120 172 220													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	(XI) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCC GCCCGCCCGG GGCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG ASP Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CCG CCG CAC CCA CCA CAG CAC ACA GGA CAC ACG CGG GCC CCG Thr Ala Pro Pro His Pro Pro Gln His Thr Gly His Thr Arg Ala Pro 25 30 35 CGC CCG CCC AGG CAC ACG CGG CAC ACA CGG CAC ACA CGG CAC GCC ACG ACG	120 172 220 268													
128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	(B) LOCATION:155688 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: CGCGCCCGCC CGGGATCCCC AGCTGCCGCC GCGCCCCCC GCCCCCCGG GGCCCCCGCT GCAGAACCGT GACCGTCCGC CGGTCACGGC CGCCGCCCCC AGCGACGTCA CCCACACGCG CAGAAGCGGA CGCCGCGGTC AAGATGTCTC TGCC ATG CCC ACG GGA CGC ACG Met Pro Thr Gly Arg Thr 1 5 GAC GCA CGG ACG GAC GGA CTG ACT CCA CAA GGT AGG AAG CCT GCG CCG ASP Ala Arg Thr Asp Gly Leu Thr Pro Gln Gly Arg Lys Pro Ala Pro 10 15 20 ACC GCA CCG CCG CAC CCA CCA CAC CAC ACA GGA CAC ACG CGG GCC CCG Thr Ala Pro Pro His Pro Pro Gln His Thr Gly His Thr Arg Ala Pro 25 30 35 CGC CCG CCC CCC AGG CAC ACG CGC CAC ACA CGG CAC ACA CGG CAC GCA GGC	120 172 220 268													

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														IN	IPHT	SET.	S25841.raw
153	CAG	GCA	CAC	GCA	TCC	GCA	GGA	ccc	GCC	GCA	ccc	GCC	ACG				364
154				Ala													
155	55					60	•				65					70	
156																	
157	ACG	AGC	CGC	CGC	GGT	CAA	GAT	GTT	CAC	CCG	CCG	CGG	TCA	AGA	TGT	ATG	412
158	Thr	Ser	Arg	Arg	Gly	Gln	Asp	Val	His	Pro	Pro	Arg	Ser	Arg	Cys	Met	
159					75					80					85		
160																	
161				CCC													460
162	Cys	His	Arg	Pro	ser	Pro	Arg	Trp		Asp	Gly	Arg	Thr		Ala	Arg	
163				90					95					100			
164																	500
165				CCA													508
166	Arg	GIn		Pro	Pro	Va⊥	Thr		Ala	Ala	His	Ser		Val	Thr	HIS	
167			105					110					115				
168	C	100	101	CAC	cim s	CI 3 3	aaa	a a a	000	ama	ama	220	N ITTO	mam.	CTC	CCA	556
169				His													330
170 171	GIU	120	1111	nis	νат	GIU	125	wsb	АТА	Val	AGI	130	Mec	ner	пеп	110	
172		120					123					130					
173	TCC	CCA	CAG	GAC	GGA	CGG	ACG	GAC	TCC	ACA	AGG	TGC	GCG	TGT	CGC	CGA	604
174				Asp													
175	135				_	140		•			145	•		•	_	150	
176																	
177				GAT													652
178	Gly	Arg	Gln	Asp	Gly	Ala	Ile	Leu	Thr	Glu	Glu	Gly	Ala	Arg	Gln	Gln	
179					155					160					165		
180																	
181				GCG							_		AAT:	rgca(3TT		698
182	Gly	Leu	Thr	Ala	Tyr	Arg	Asn	Ala		Pro	GIn	*					
183				170					175								
184	C 3 3 1	maa															715
185 186	GAAA	41661	HAA A	AAAA	AAA												713
187																	
188	(2)	INF	ORMA'	TION	FOR	SEO	ID N	10: 3	3:								
189	(2)																
190			(i) \$	SEQUE	ENCE	CHA	RACTE	ERIST	rics	:							
191			` (1	A) LI	ENGT	f: 17	77 an	nino	acio	ds							
192			(1	B) TY	PE:	amir	no ac	cid									
193			(1	D) TO	OPOL	GY:	line	ear									
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196		(Xi) SE(QUEN	CE DI	ESCR	PTIC	on: S	SEQ :	D NO): 3:	:					
197		_	-m1	a-1		m1				ml.		a 3	T	ml	D	a1-	
198		Pro	Thr	Gly	_	Thr	Asp	Ala	arg		Asp	СТĀ	Leu	ınr		GIN	
199	1				5					10					15		
200 201	C1 **	A ~ ~	T 120	Pro	א ד ה	Dra	Thr	λΊο	Dro	Dro	цie	Dra	Pro	Gln	Hic	Thr	
201	GTÅ	Ary	пλэ	20	wig	FIU	1111	w T a	25	110	1113	110	110	30		4.11	
202				2.0					2.3					50			
204	Glv	His	Thr	Arg	Ala	Pro	Ara	Pro	Pro	Ara	His	Thr	Ara	His	Thr	Arq	
205	1		35					40		J			45			_	

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206 207 208 209	His	Thr 50	Arg	Gln	Ala	Gly	Gln 55	Ala	His	Ala	Ser	Ala 60	Gly	Pro	Ala	Ala	
210 211 212	Pro 65	Ala	Thr	Gln	Thr	Arg 70	Thr	Ser	Arg	Arg	Gly 75	Gln	Asp	Val	His	Pro 80	
213 214 215	Pro	Arg	Ser	Arg	Cys 85	Met	Cys	His	Arg	Pro 90	Ser	Pro	Arg	Trp	Thr 95	Asp	
216 217 218	Gly	Arg	Thr	Arg 100	Ala	Arg	Arg	Gln	Arg 105	Pro	Pro	Val	Thr	Ala 110	Ala	Ala	
219 220 221	His	Ser	Asp 115	Val	Thr	His	Glu	Ser 120	Thr	His	Val	Glu	Ala 125	Asp	Ala	Val	
222 223 224	Val	Lys 130	Met	Ser	Leu	Pro	Ser 135	Pro	Gln	Asp	Gly	Arg 140	Thr	Asp	Ser	Thr	
225 226 227	Arg 145	Cys	Ala	Сув	Arg	Arg 150	Gly	Arg	Gln	Asp	Gly 155	Ala	Ile	Leu	Thr	Glu 160	
228 229 230	Glu	Gly	Ala	Arg	Gln 165	Gln	Gly	Leu	Thr	Ala 170	Tyr	Arg	Asn	Ala	Pro 175	Pro	
231 232 233	Gln																
234	(2)	INF	ORMA!	rion	FOR	SEQ	ID I	NO: 4	1 :								
235																	
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237 238			•	B) T?				-	•	3							
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242		(ii) MOI	LECUI	LE T	YPE:	CDN	A to	mRN	A							
243		, , , , , ,	\ TT\ZT	- ОПІТ	am z a :	AT. 5	1EC										
244 245		(111,	, пи	POTH	31 T C 2	AL: :	LES										
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247		(ix) FE	ATURI	Ξ:												
248			()	A) NA	AME/I	KEY:	CDS										
249			(1	B) L(CAT:	ION:	L6:	36									
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251 252			\ CE	QUENC	ות שי	acon i	r ram T (AT. (2 P.O	TD NA	n. 1						
252		(XI) SE	SOF MC	ולו ים	SOCK.	LFII	JIV	JEQ .	ID N	J. 1	•					
254	ATG	GGG	CTG	CAG	AAC	CGT	GAC	CGT	CCG	CCG	GTC	ACG	GCC	GCC	GCC	CCC	48
255				Gln													
256		180					185					190					
257 258	AGC	GAC	GTC	ACC	CAC	ACG	CGC	AGA	AGC	GGA	CGC	CGC	GGT	CAA	GAT	GTC	96

SEQUENCE VERIFICATION REPORT PATENT APPLICATION *US/08/973,303*

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Original Text